

Listing and Amendments to the Claims

This listing of claims will replace the claims that were annexed to the International Preliminary Report on Patentability:

1. (currently amended) A device Device adapted to belong to a community of networked devices, ~~characterized in that~~ said device (x) ~~contains comprising:~~

a provable identity (id_x) and/or means for generating and/or obtaining a provable identity;

means (12) adapted to store information about devices of the community having trust relationships with said device (x);

means (12) adapted to store information about devices not trusted by said device (x); and

means for trust relationships synchronization.

2. (currently amended) The device Device according to claim 1, wherein said means for storing information about devices not trusted by said device (x) ~~contain stores information comprising~~ information about devices of the community having had trust relationships with said device (x) in the past but not having anymore.

3. (currently amended) The device Device according to ~~one of claims~~ ~~claim 1 or 2~~, wherein the information about devices ~~contains comprises~~ the provable identity (id_j) of said devices.

4. (currently amended) The device Device according to ~~one of claims~~ ~~claim 1, 2 or 3~~, wherein said device (x)-is furthermore designed to store information comprising proofs (S_j(id_x)) received from other devices (j) of the community that said device (x) is trusted by other devices (j).

5. (currently amended) The device Device according to ~~one of the preceding claims~~ ~~claim 1~~, wherein said means for trust relationship synchronization

comprise means to exchange information with other devices of the community about devices trusted and/or not trusted by other devices of the community.

6. (currently amended) The device Device according to one of the preceding claims claim 1, wherein said device (x) contains comprises:

a first object (MT(x)) capable of containing identities of devices trusted by said device (x) and trusting said device (x);

a second object (UT(x)) capable of containing identities of devices trusted by said device (x); and

a third object (DT(x)) capable of containing identities of devices distrusted by said device (x).

7. (currently amended) The device Device according to claim 6 in combination with claim 5, wherein said device is able to modify the content of said first object (MT(x)) and/or said second object (UT(x)) and/or said third object (DT(x))-as a function of information exchanged with other devices of the community.

8. (currently amended) The device Device according to claim 5– 6, wherein said first object (MT(x)) and/or said second object (UT(x)) and/or said third object (DT(x)) are furthermore able to contain cryptographic material.

9. (currently amended) The device Device according to one of claims claim 6 or 7, wherein said first device (x) is furthermore able to banish another device (y) of said community if the identity (id_y) of said device (y) to be banished is contained in the first (MT(x)) or the second object (UT(x)) of said first device (x), said banish operation consisting in comprising removing the identity (id_y) of said device (y) to be banished from said first (MT(x)) or second object (UT(x)) and inserting said identity (id_y) in said third object (DT(x)) of said first device (x).